JOB SHEET 2-4-17
DISPLAYING PRODUCTS USING THE APPLICATIONS TERMINAL

INTRODUCTION

Most of the time, you use the Graphic Tablet and puck to display products. However, on occasion you may want or need to display products using another method. The Display Menu through the Applications Terminal allows you to display any product, either graphic or alphanumeric, by entering a few commands.

The Display Menu method of calling up graphics products can be used in the construction of User Functions or as a backup method should the Graphic Tablet or Puck become inoperative. In addition, alphanumeric products can **only** be displayed on the Applications Terminal using the Display Menu.

OBJECTIVE

Use the Display Menu to display a graphic, alphanumeric, and paired graphic-alphanumeric product.

REFERENCE

NWS EHB 6-531-1, USERS GUIDE: PUP/RPGOP, Sections 4.1 - 4.4

PROCEDURE

DISPLAYING A GRAPHIC PRODUCT:

1.   From the Main Menu, type **D** and press **RETURN**.

   -    This command displays the Display Menu.

2.   a.   Type **G** and press **RETURN**.

   -    The Graphic Products screen is displayed. If the Product Mnemonic is already known, type it in as the <brackets> suggests. This skips the screen shown in step b and moves to the screen in step 3.

        b.   A list of all the Graphic Product types, whether or not they are actually available in your PUP, appears. The screen requests that you "select a graphic product from the following list."

MAIN MENU

COMMAND: **D,**
FEEDBACK:

Enter command and press return. For assistance, press the HELP button (F5).

(C)ONTROL
(S)TATUS
(D)ISPLAY
(R)OUTINE PRODUCT SET
(G)EN AND DISTRIBUTE PRODUCTS
(T)IME LAPSE
(A)RCHIVE
(U)SER FUNCTION
(AD)APTATION DATA
(M)ONITOR PERFORMANCE
(H)ELP

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DISPLAY MENU

COMMAND: **D,G**
FEEDBACK:

Enter command.

(A)LPHANUMERIC PRODUCT,   <prod-name> *
(G)RAPHIC PRODUCT,   <prod-name> *
(GP)GRAPHIC AND PAIRED ALPHA,   <prod-name> *
(P)AIRED ALPHANUMERIC PRODUCT, <screen>
(N)EXT QUEUED,   (A)LPHANUMERIC
                            (G)RAPHIC
(C)LEAR QUEUE,   (A)LPHANUMERIC
                            (G)RAPHIC
(AU)TO DISPLAY,   (A)LPHANUMERIC
                            (G)RAPHIC
(H)ALT AUTO DISPLAY GRAPHIC
(T)EST PATTERN   <id#>, <screen>

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GRAPHIC PRODUCTS

COMMAND: **D,G,**
FEEDBACK:

Select a graphic product from the following list:

R	Reflectivity	RCS	Refl Cross Section	OHP	One Hour Precip
V	Velocity	VCS	Vel Cross Section	THP	Three Hour Precip
SW	Spectrum Width	SCS	Spec Width Cross Section	STP	Storm Total Precip
CR	Composite Reflect	WER	Weak Echo Region	USP	User Selectable Product
CRC	Comp Refl Contour	SRR	Storm Rel Vel Region	CS	Combined Shear
ET	Echo Tops	SRM	Storm Rel Vel Map	CSC	Combined Shear Contour
ETC	Echo Top Contour	VIL	Vertically Integ Liq	CFC	Clutter Filter Control
SWR	Svr Wx Anal Reflect	STI	Storm Tracking Info		
SWV	Svr Wx Anal Velocity	HI	Hail Index		
SWW	Svr Wx Anal Width	M	Mesocyclone		
SWS	Svr Wx Anal Rad Shr	TVS	Tornado Vortex Sig		
SWP	Svr Wx Probability	LRA	Layer Comp Refl Avg		
VAD	Vel Azimuth Display	LRM	Layer Comp Refl Max		
VWP	Vad Wind Profile	LTA	Layer Comp Turb Avg		
CM	Combined Moment	LTM	Layer Comp Turb Max		

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3.   Type **V** and press **RETURN**.

-    This command displays the Graphic Product Edit Screen for a Base Velocity Product. The data which automatically appears (such as the numbers under DTA LVL and RES) are the default parameters. Data level and resolution defaults are those parameters last specified during any one time request with these same parameter types. Leaving the date/time/RPG blank defaults to the current date/time and Associated RPG. The desired screen for display may be specified as L or R, or if a specific quadrant is desired, L1, R2, etc.

4.   If you want the default parameters, press **RETURN**.   If you wish to alter these parameters, go to step 5.

-    **NOTE -** If the product is in your data base, it is displayed on the specified screen(quadrant). If the product is not in your data base, the pick-a-product menu is displayed on the specified screen and you must then select **F10 - Send RPG Request** (or SEND RPG REQ function box). This forwards a request to the RPG to get this product. If this step is necessary, the product will not automatically display on a graphic screen, unless it is blank.

5.   At the edit screen, insure the parameters read as follows:

DTA LVL   -   **16** (use the tab key)
RES   -   **.54**
SLICE   -   **0.5**
SCR(screen)   -   **R1** (right screen, quadrant 1).

Press **RETURN**.

-    Refer to the "**NOTE**" in step 4.

*   *   *   *   *   *   *   *   *   *   *   *   *

DISPLAYING AN ALPHANUMERIC PRODUCT:

6.   a.   From the Main Menu, type **D** and press **RETURN**.

-    The Display Menu is again displayed.

DISPLAY GRAPHIC PRODUCT EDIT SCREEN

COMMAND: D,G,**V**
FEEDBACK:

3   Edit product parameters and press RETURN to request product.

PROD NAME	DTA LVL	RES	SLICE	PARAM1	PARAM2	RPG	TIME	DATE	SCR	REQ PRI	RPT CNT	REQ MAP
V	**16**	**.27**	**2.4**						**L**	H	1	N

DISPLAY GRAPHIC PRODUCT EDIT SCREEN

COMMAND: D,G,**V**
FEEDBACK:

Edit product parameters and press RETURN to request product.

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PROD NAME	DTA LVL	RES	SLICE	PARAM1	PARAM2	RPG	TIME	DATE	SCR	REQ PRI	RPT CNT	REQ MAP
V	**16**	**.54**	**0.5**						**R1**	H	1	N

MAIN MENU

COMMAND: **D**
FEEDBACK:

Enter command and press return. For assistance, press the HELP button (F5).

6   (C)ONTROL
       (S)TATUS
       (D)ISPLAY
       (R)OUTINE PRODUCT SET
       (G)EN AND DISTRIBUTE PRODUCTS
       (T)IME LAPSE
       (A)RCHIVE
       (U)SER FUNCTION
       (AD)APTATION DATA
       (M)ONITOR PERFORMANCE
       (H)ELP

       UNACKNOWLEDGED ALERTS   ALPHA   PRODUCT   QUEUE
       INDICATOR
       ACKNOWLEDGED ALERTS   RPG PRODUCT REQUEST STATUS
       SYSTEM STATUS

7.   At Display Menu, type **A** and press **RETURN**.

   -     The Alphanumeric Products screen is displayed showing the list of possible products available.

8.   Type **M** and press **RETURN**.

   -     Note that you may choose any of these products. In this example select the alphanumeric portion of the Mesocyclone Product for display.

   -     The Display Alphanumeric Product Edit Screen allows you the option of displaying any Mesocyclone product in the database.

9.   Press **RETURN** (This leaves the default parameters as is.)

   -     In this example, we leave the time/date blank to get the latest Mesocyclone product. The RPG is blank to ensure the product comes from **your Associated RPG**. If the product is stored in your database, it is displayed. If no mesocyclones were detected during the most recent volume scan, a list of parameters used in the algorithm is displayed. If there is no meso product in your database, select **F10 - Send RPG Request** to forward your request to the RPG. Note that the RPG sends both the graphic and alphanumeric product. If a graphic screen is blank, the graphic product is automatically displayed. The alphanumeric product is displayed by going through steps 6 through 9 once again. Another option is to select **F13** (**Display Latest Received A/N Product**), this command displays the product as long as another A/N product has not arrived.

10.   Return to the Main Menu (press **F1**) and repeat this process for displaying a (GP)Graphic And Paired Alpha Product such as the STI, Storm Tracking Information. This command displays both a graphics product and the related alphanumeric product at the same time.

END

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DISPLAY MENU

COMMAND: D,**A**
FEEDBACK:

Enter command.

(A)LPHANUMERIC PRODUCT,   <prod-name> *
(G)RAPHIC PRODUCT,   <prod-name> *
(GP)GRAPHIC AND PAIRED ALPHA,   <prod-name> *
(P)AIRED ALPHANUMERIC PRODUCT,   <screen>
(N)EXT QUEUED,   (A)LPHANUMERIC
                         (G)RAPHIC

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ALPHANUMERIC PRODUCTS

COMMAND: D,A,**M**
FEEDBACK:

Select an Alphanumeric Product from the following list.

SS	Storm Structure	VWP	VAD Wind Profile
UAM	User Alert Message	STI	Storm Tracking Information
RCM	Radar Coded Message	HI	Hail Index
FTM	Free Text Message	**M**	**Mesocyclone**
PTM	PUP Text Message	TVS	Tornado Vortex Signature
OHP	One Hour Precip	THP	Three Hour Precip
STP	Storm Total Precip	CS	Combined Shear
CSC	Combined Shear Contour	SPD	Supplemental Precipitation Data

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DISPLAY GRAPHIC PRODUCT EDIT SCREEN

COMMAND: D,A,M
FEEDBACK:

Edit product parameters and press RETURN to request product.

PROD NAME	RPG	TIME	DATE	REQ PRI	RPT CNT
M				H	1

10

DISPLAY MENU

COMMAND: D,**GP**
FEEDBACK:

Enter command.

(A)LPHANUMERIC PRODUCT,   <prod-name> *
(G)RAPHIC PRODUCT,   <prod-name> *
(GP)GRAPHIC AND PAIRED ALPHA, <prod-name> *
(P)AIRED ALPHANUMERIC PRODUCT,   <screen>
(N)EXT QUEUED,   (A)LPHANUMERIC
                         (G)RAPHIC
(C)LEAR QUEUE,   (A)LPHANUMERIC
                         (G)RAPHIC
(AU)TO DISPLAY,   (A)LPHANUMERIC